

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-5. (Cancelled)

6. (Previously Presented) An electrode for an electric energy-generating or -storing device, comprising: a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and a metal oxide.

7-11 (Cancelled)

12. (Previously Presented) A positive electrode for an electric energy-generating or -storing device, comprising: a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and a metal oxide.

13-22. (Cancelled)

23-25. (Cancelled)

26. (Previously Presented) An electrode for an electric energy-generating or -storing device comprising: poly(cyclopenta[def]fluorene-4,8-dione).

27. (Currently Amended) An electrode for an electric energy-generating or -storing device, comprising: poly(benzo[b]~~fluorene~~-fluoren-11-one).

28. (Currently Amended) An electrode for an electric energy-generating or -storing device, comprising: poly(dibenzo[b,h]~~fluorene~~-fluoren-12-one).

29. (Previously Presented) An electrode for an electric energy-generating or -storing device, comprising: poly(cyclopenta[*def*]phenanthren-4-one).

30. (Currently Amended) An electrode for an electric energy-generating or -storing device, comprising: poly(8*H*-cyclopenta[*def*]~~fluorene~~fluoren-4-one).

31. (Previously Presented) An electrode for an electric energy-generating or -storing device, comprising: poly(indeno[1,2-*b*]fluorene-6,12-dione).

32-34. (Cancelled)

35. (Previously Presented) An electric generating or -storing device comprising: at least one electrode, the electrode comprising a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and a metal oxide added to the carbonyl aromatic polymer.

36-37. (Cancelled)

38. (Previously Presented) A secondary battery comprising: at least one electrode, the electrode comprising a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

39-44. (Cancelled)

45. (Previously Presented) An electric generating or -storing device comprising: a first electrode, the first electrode comprising a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings; and a second electrode comprising a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and wherein at

least one of the two electrodes further comprises a metal oxide.

46-47. (Cancelled)

48. (Previously Presented) A secondary battery having a first electrode, the first electrode comprising a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings; and a second electrode comprising a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and wherein at least one of the two electrodes further comprises a metal oxide.

49-50. (Cancelled)

51. (Original) A battery comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the positive electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

52. (Original) The battery of claim 51, wherein the battery is a secondary battery.

53. (Original) The battery of claim 51, wherein the positive electrode is doped with an anion.

54. (Original) The battery of claim 51, wherein the positive electrode is doped with a cation.

55. (Original) The battery of claim 51, wherein the positive electrode further comprises a current collector.

56. (Original) The battery of claim 51, wherein the positive electrode further comprises an electroconductive agent.

57. (Original) The battery of claim 51, wherein the positive electrode further comprises a second electroconductive polymer.
58. (Original) The battery of claim 51, wherein the positive electrode further comprises a metal oxide.
59. (Original) The battery of claim 51, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.
60. (Original) A battery comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the negative electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.
61. (Original) The battery of claim 60, wherein the battery is a secondary battery.
62. (Original) The battery of claim 60, wherein the negative electrode is doped with an anion.
63. (Original) The battery of claim 60, wherein the negative electrode is doped with a cation.
64. (Original) The battery of claim 60, wherein the negative electrode further comprises a current collector.
65. (Original) The battery of claim 60, wherein the negative electrode further comprises an electroconductive agent.

66. (Original) The battery of claim 60, wherein the negative electrode further comprises a second electroconductive polymer.
67. (Original) The battery of claim 60, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.
68. (Original) A battery comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the positive electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and the negative electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.
69. (Original) The battery of claim 68, wherein the battery is a secondary battery.
70. (Original) The battery of claim 68, wherein the negative electrode is doped with an anion.
71. (Original) The battery of claim 68, wherein the negative electrode is doped with a cation.
72. (Original) The battery of claim 68, wherein the positive electrode is doped with an anion.
73. (Original) The battery of claim 68, wherein the positive electrode is doped with a cation.
74. (Original) The battery of claim 68, wherein the positive electrode is doped with an anion and the negative electrode is doped with a cation.
75. (Original) The battery of claim 68, wherein at least one of the positive or negative

electrodes further comprises a current collector.

76. (Original) The battery of claim 68, wherein at least one of the positive or negative electrodes further comprises an electroconductive agent.

77. (Original) The battery of claim 68, wherein at least one of the positive or negative electrodes further comprises a second electroconductive polymer.

78. (Original) The battery of claim 68, wherein the positive electrode further comprises a metal oxide.

79. (Original) The battery of claim 68, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.

80. (Original) A capacitor comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the positive electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

81. (Original) The capacitor of claim 80, wherein the positive electrode further comprises a current collector.

82. (Original) The capacitor of claim 80, wherein the positive electrode further comprises an electroconductive agent.

83. (Original) The capacitor of claim 80, wherein the positive electrode further comprises a second electroconductive polymer.

84. (Original) The capacitor of claim 80, wherein the positive electrode further comprises a metal oxide.

85. (Original) The capacitor of claim 80, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.

86. (Original) A capacitor comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the negative electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

87. (Original) The capacitor of claim 86, wherein the negative electrode further comprises a current collector.

88. (Original) The capacitor of claim 86, wherein the negative electrode further comprises an electroconductive agent.

89. (Original) The capacitor of claim 86, wherein the negative electrode further comprises a second electroconductive polymer.

90. (Original) The capacitor of claim 86, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.

91. (Original) A capacitor comprising: a positive electrode; a negative electrode; and an electrolyte, wherein the positive electrode comprises a carbonyl aromatic polymer having at least

one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and the negative electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

92. (Original) The capacitor of claim 91, wherein at least one of the positive or negative electrodes further comprises a current collector.

93. (Original) The capacitor of claim 91, wherein at least one of the positive or negative electrodes further comprises an electroconductive agent.

94. (Original) The capacitor of claim 91, wherein at least one of the positive or negative electrodes further comprises a second electroconductive polymer.

95. (Original) The capacitor of claim 91, wherein the positive electrode further comprises a metal oxide.

96. (Original) The capacitor of claim 91, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.

97. (Original) A fuel cell comprising: an air electrode; a fuel electrode; and an electrolyte, wherein the air electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

98. (Original) The fuel cell of claim 97, wherein the air electrode further comprises an electroconductive agent.

99. (Original) The fuel cell of claim 97, wherein the carbonyl aromatic polymer comprises at

least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.

100. (Original) A fuel cell comprising: an air electrode; a fuel electrode; and an electrolyte, wherein the fuel electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

101. (Original) The fuel cell of claim 100, wherein the fuel electrode further comprises an electroconductive agent.

102. (Original) The fuel cell of claim 100, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.

103. (Original) A fuel cell comprising: an air electrode; a fuel electrode; and an electrolyte, wherein the air electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings and the fuel electrode comprises a carbonyl aromatic polymer having at least one unit that contains at least one cyclopentanone structure condensed with at least two aromatic rings.

104. (Original) The fuel cell of claim 103, wherein at least one of the positive or negative electrodes further comprises an electroconductive agent.

105. (Original) The fuel cell of claim 103, wherein the carbonyl aromatic polymer comprises at least 20% by weight units of at least one cyclopentanone structure condensed with at least two aromatic rings.